ELECTRON EMISSION FROM TGS CRYSTALS GROWN FROM IRRADIATED SEEDS

Rogazinskaya O.V., Milovidova S.D., Sidorkin A.S., Plaksitsky A.B.

Electron emission from TGS crystals grown from seeds irradiated by X-rays and a-particles was studied in present work.

Shown, the emission current values were always more from "negative" surface independently of sources of irradiation. Increasing the degree of unipolarity of samples caused increasing the quantity of electron emission current

The unipolarity of TGS crystals grown from the seed irradiated by alpha-particles were higher then unipolarity of TGS crystals grown from the seed irradiated by X-rays. It can be related with higher values of internal bias field, which shaping at the irradiation by alpha-particles as compared with the irradiation by X-rays.